PATENT
1907-0206P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:	Tadashi UCHIUMI et al.	Conf.:
Appl. No.:	NEW	Group:
Filed:	January 9, 2002	Examiner:
For:	VIDEO STORAGE TYPE COMUNICATION DEVICE	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

January 9, 2002

Sir:

The following preliminary amendments and remarks are respectfully submitted in connection with the above-identified application.

IN THE SPECIFICATION:

Please replace the paragraph beginning on page 9, line 4, with the following rewritten paragraph:

--It is another object of the present invention to provide a video storage type communication device which has a specially reproducible video generating portion comprising a decoding portion for decoding coded video data received through a receiving portion and a still-picture coding portion for coding the video information restored by the decoding portion by a still-picture coding method, making it possible to simply reproduce moving picture in forwarding and reversing directions even at a terminal which has no ability of decoding a H.261 class moving picture.—

Please replace the paragraph beginning on page 30, line 2, with the following rewritten paragraph:

In the thus constructed video-storage type communication device, video data stored in the video storage portion 54 is interframely coded frames B shown in Fig. 16, which, in comparison with received coded video data, i.e., coded frames A, have a larger amount of data per frame and can be interframely read out in any order and be surely reproduced at any terminal because the frames have no correlation between their contents (data). When these frames reads-out in the order of storing at a certain interval and transmitted, they are reproduced in rapid forwarding mode at the terminals. When the frames read-out in the reversed order at a certain interval, they are reproduced in rapid reverse mode at the terminals. The stored frames are independent from each other and may be processed separately, making it easier to edit, add, delete and exchange components as the need be.

IN THE CLAIMS:

Please cancel claims 1-13 without prejudice or disclaimer of the subject matter contained therein.

Please add the following claims:

--14. (New) A method for distributing coded video data comprising the steps of:

generating a second coded video data by re-encoding a first coded video data;

storing the first coded video data and the second coded video data;

transmitting the first coded video data or the second coded video data over the communication channel,

wherein the stored first coded data and the stored second coded data are separate from and independent of one another.

15. (New) A method for storing and distributing coded video data comprising the steps of:

receiving coded video data over the communication channel;

re-encoding the received coded video data;

storing the received coded video data and the re-encoded video data;

reading and transmitting the coded video data stored over the communication channel,

wherein the coded video data stored is composed by replacing frames of the received coded video data with the corresponding frames of the re-encoded video data generated by the video generating portion at an arbitrary interval.

16. (New) A video storage and communication device used for a video information communication system to distribute video data

to a terminal set connected with a communication channel, the communication device comprising:

a video storage portion storing a first coded video data;

a video generating portion for generating a second coded video data different from the first coded video data by re-encoding the first coded video data stored in the video storage portion; and

a video-reproduction control portion for selecting to read the first coded video data stored in the video storage portion as it is, or to direct the video generating portion to generate the second coded video data by reading the first coded video data.

17. (New) A video storage and communication device according to claim 16, wherein the video generating portion generates the second coded video data having a reduced number of video frames compared with the first coded video data.

18. (New) A video storage and communication device according to claim 16, wherein the video generating portion includes a video restoring portion for decoding the first coded video data and a re-encoding portion for interframely encoding the video data decoded by the video restoring portion.

19. (New) A video storage and communication device according to claim 16, wherein the video generating portion includes a video restoring portion for decoding the first coded video data and a re-encoding portion for still picture encoding the video data decoded by the video restoring portion.--

REMARKS

Claims 14-19 are pending in this application. Claims 1-13 have been canceled. Claims 14-19 have been added.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Catherine Voisinet at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

Attached hereto is a marked-up version of the changes made to the application by this Amendment.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By _____
Charles Gorenstein, #29,271

P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

CG/CMV/kdb
1907-0206P

Attachment: Version with Markings to Show Changes Made

(Rev. 09/26/01)

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

The paragraph beginning on page 9, line 4, has been amended as follows:

It is another object of the present invention to provide a video storage type communication device which has a specially reproducible video generating portion comprising a decoding portion for decoding coded video data received through a receiving portion and a still-picture coding portion for coding the video information restored by the decoding portion by a still-picture coding method, making it possible to simply reproduce moving picture in forwarding and reversing directions even at a terminal which has ~~not~~ no ability of decoding a H.261 class moving picture.--

The paragraph beginning on page 30, line 2, has been amended as follows:

--In the thus constructed video-storage type communication device, video data stored in the video storage portion 54 is ~~intraframely~~ interframely coded frames B shown in Fig. 16, which, in comparison with received coded video data, i.e., ~~intraframely~~ coded frames A, have a larger amount of data per frame and can be interframely read out in any order and be surely reproduced at any terminal because the frames have no correlation between their contents (data). When these frames reads-out in the order of storing at a certain interval and transmitted, they are reproduced

in rapid forwarding mode at the terminals. When the frames read-out in the reversed order at a certain interval, they are reproduced in rapid ~~revers-~~reverse mode at the terminals. The stored frames are independent from each other and may be processed separately, making it easier to edit, add, delete and exchange components as the need be.--

IN THE CLAIMS:

Claims 1-13 have been canceled.

Claims 14-19 have been added.